

Communication Flow Key

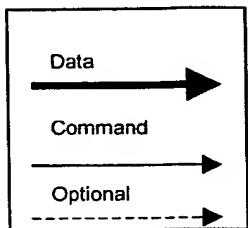


Figure 1. System Architecture

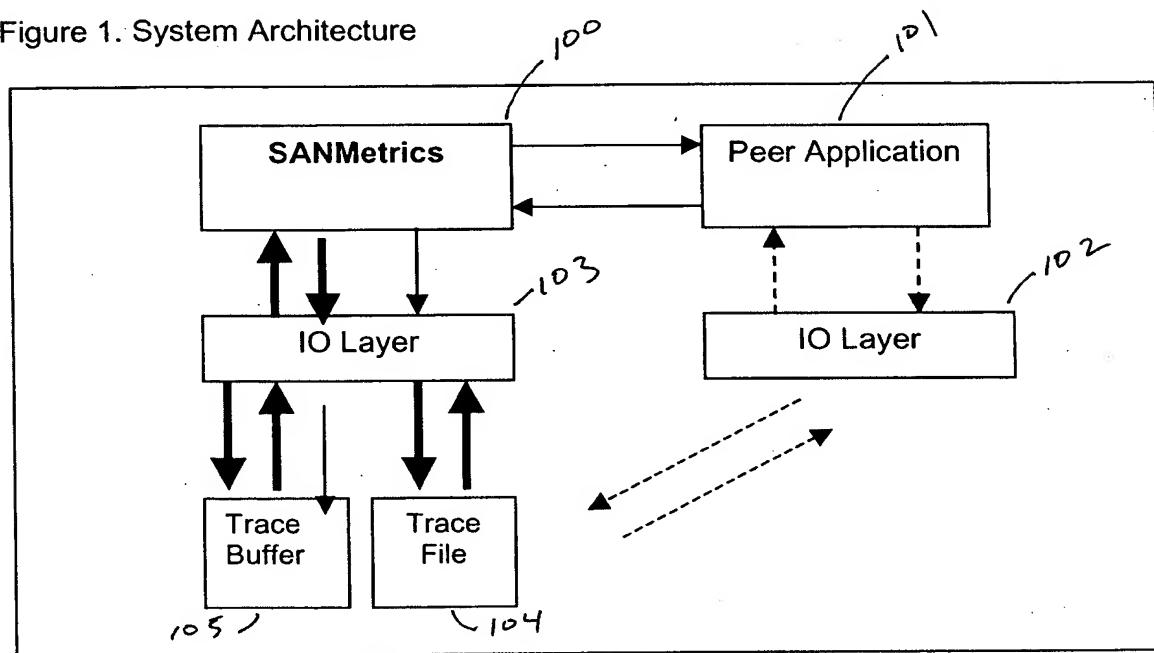


FIGURE 1

Figure 2. SANMetrics Architecture

100
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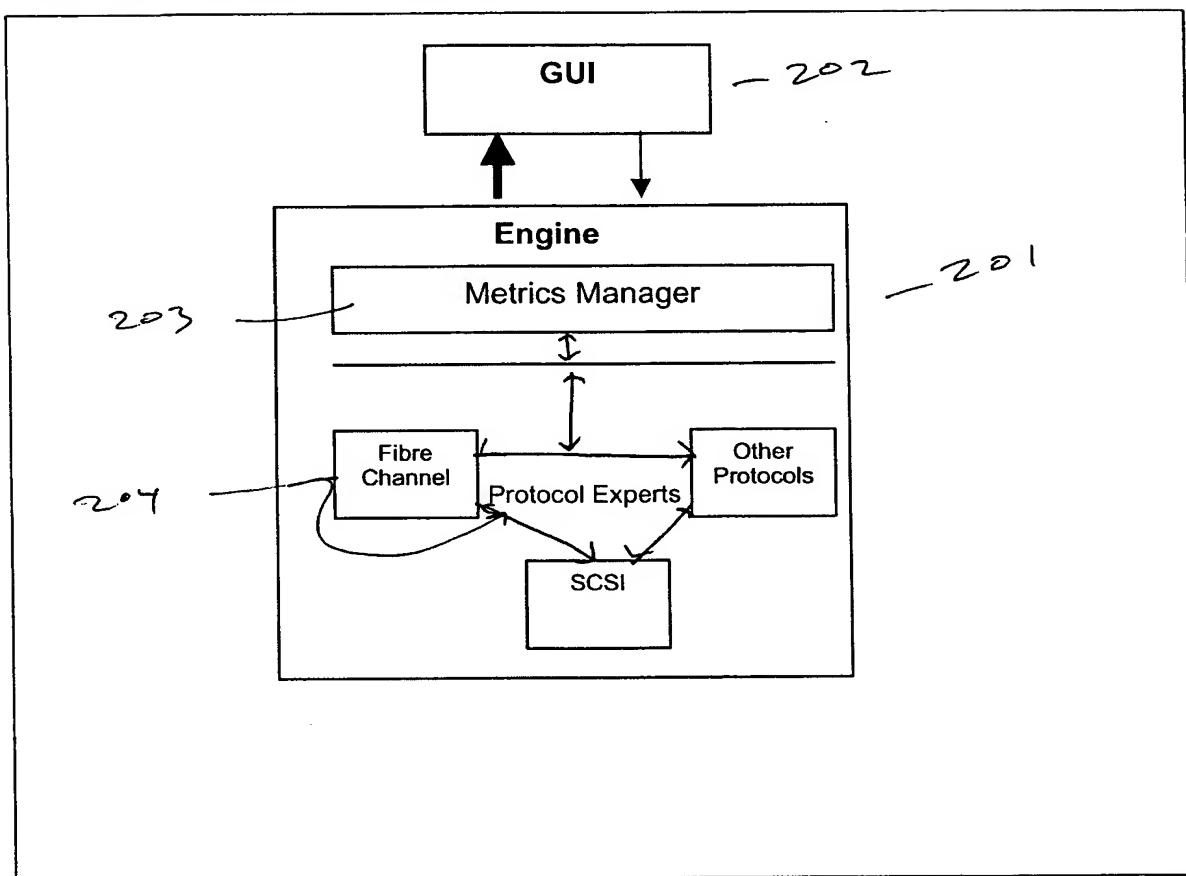


FIGURE 2

Figure 3

300

Description	Timestamp	Source	Port	Type	Total Count	Severity	Category	Value	Unit	Value Description	% of time Lost
1 Arbitration Loss exceeds threshold	00:00:00:001 756, 513	N/A	el	0,1	FC2	1	Warning	5,15			
1 Arbitration Loss by device	00:00:00:001 8, 227, 250	N/A	N/A	0,1	FC2	377	Warning	5			
1 ARB FU while loop in closed state	00:00:00:002, 059, 425	bc	el	0,1	FC2	15	Warning	4			
1 Arbitration Loss by device	00:00:00:0023, 663, 538	bc	el	0,1	FC2	377	Warning	5			
1 Arbitration Loss by device	00:00:00:0027, 058, 138	bc	el	0,1	FC2	377	Warning	5			
1 Arbitration Loss by device	00:00:00:0032, 198, 550	bc	el	0,1	FC2	10	Warning	5			
1 Out of Credits during Tenancy	00:00:00:0057, 282, 950	01	bc	0,1	FC2	15	Warning	5			
1 ARB FU while loop in closed state	00:00:00:0065, 940, 398	N/A	N/A	0,1	FC2	15	Warning	4			
1 ARB FU while loop in closed state	00:00:00:0066, 940, 398	N/A	N/A	0,1	FC2	15	Warning	4			
1 ARB FU while loop in closed state	00:00:00:0067, 214, 350	N/A	N/A	0,1	FC2	15	Warning	4			
1 ARB FU while loop in closed state	00:00:00:0068, 557, 875	N/A	N/A	0,1	FC2	15	Warning	5			
1 Out of Credits during Tenancy	00:00:00:0073, 707, 462	bc	el	0,1	FC2	2	Warning	5			
1 Out of Credits during Tenancy	00:00:00:0084, 365, 153	01	bc	0,1	FC2	10	Warning	5			
1 Out of Credits during Tenancy	00:00:00:0094, 503, 338	01	bc	0,1	FC2	10	Warning	4			
1 Out of Credits during Tenancy	00:00:00:0134, 042, 563	01	bc	0,1	FC2	10	Warning	4			
1 Out of Credits during Tenancy	00:00:00:0134, 123, 863	01	bc	0,1	FC2	10	Warning	1			
1 Out of Credits during Tenancy	00:00:00:0167, 167, 088	01	bc	0,1	FC2	10	Warning	6			
1 Out of Credits during Tenancy	00:00:00:01571, 350, 700	01	bc	0,1	FC2	10	Warning	1			
1 Out of Credits during Tenancy	00:00:00:02729, 651, 288	01	bc	0,1	FC2	10	Warning	5			
1 Out of Credits during Tenancy	00:00:00:02729, 664, 925	01	bc	0,1	FC2	10	Warning	1			
1 Out of Credits during Tenancy	00:00:00:0257, 920, 638	01	bc	0,1	FC2	10	Warning	4			

309 →

307 →

Out of Credits during Tenancy

Last 00:00:00.0264-265.276

First 00:00:00.0001-001.912

For Help, Press F1

Figure 4

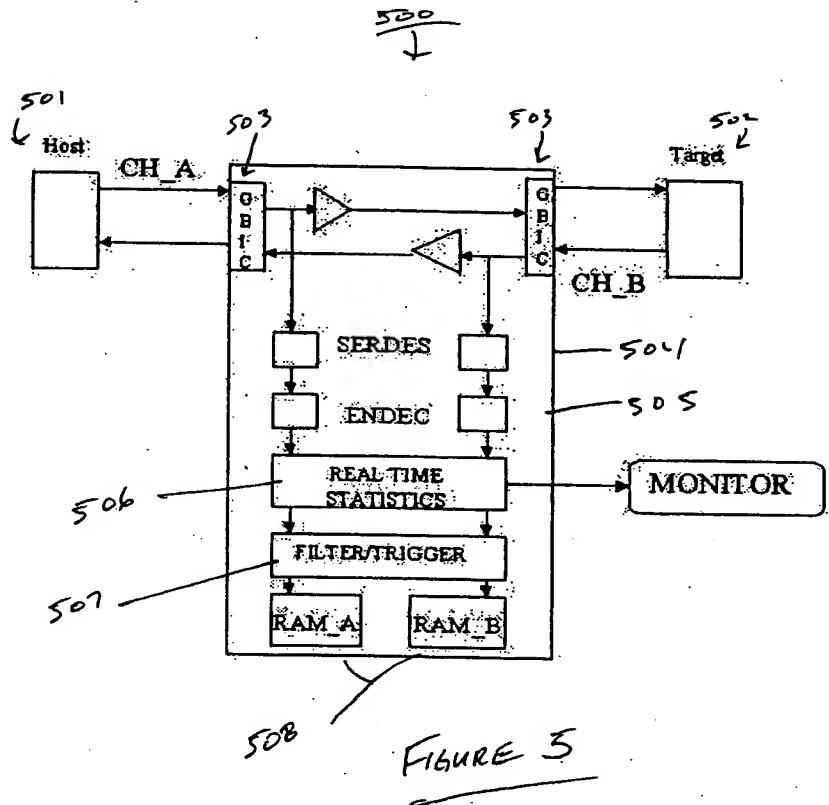
100

402

Definition	Message	Source	Destination	Port	IP Src	IP Dst	Severity	Category	Value	Description
△ Out of Credit exceeded threshold		N/A	N/A	4.5	FC2	1	Warning	Out of Credit	11.38	% of Arb Lost
△ 2 of Arbitration Losses exceeds threshold		N/A	N/A	4.5	FC2	1	Warning	Out of Credit	17.13	% of Arb Lost
△ 2 of Abnormal Terences exceeds threshold		N/A	N/A	4.5	FC2	33	Warning	Bad Terences	67.13	% Bad Terences
△ OPN Ended by Destination		[0440x FL]	[0440x FL]	4.5	FC2	36	5	Credit Balance	0	
△ Arbitration Loss by device		[0001548912_163_163]	[0440x FL]	4.5	FC2	32	1	Warning	1	Times Out of Credit
△ Out of Credits during Terency		[0001548912_211_275]	[0440x FL]	4.5	FC2	36	5	Credit Balance	0	
△ Arbitration Loss by device		[0001548912_211_575]	[0440x FL]	4.5	FC2	33	2	Warning	1	Times Out of Credit
△ OPN Ended by Destination		[0440x FL]	[0440x FL]	4.5	FC2	32	1	Credit Balance	0	
△ Out of Credits during Terency		[0001548912_465_637]	[0440x FL]	4.5	FC2	36	5	Times Out of Credit	1	
△ Arbitration Loss by device		[0001548912_468_113]	[0440x FL]	4.5	FC2	36	5	Warning	1	
△ Arbitration Loss by device		[0001548912_475_988]	[0440x FL]	4.5	FC2	36	5	Warning	1	
△ OPN Ended by Destination		[0440x FL]	[0440x FL]	4.5	FC2	33	2	Credit Balance	0	
△ Arbitration Loss by device		[0001548912_502_538]	[0460]	4.5	FC2	36	5	Warning	1	
△ Out of Credits during Terency		[0001548912_544_762]	[0440x FL]	4.5	FC2	32	1	Warning	1	Times Out of Credit
△ OPN/CLS without frame transmission		[0440x FL]	[0440x FL]	4.5	FC2	112	3	Credit Balance	0	
△ OPN/CLS without frame transmission		[0001548912_516_258]	[0440x FL]	4.5	FC2	112	3	Warning	10	Credit Balance
△ OPN/CLS without frame transmission		[0001548912_621_113]	[0440x FL]	4.5	FC2	112	3	Warning	0	Credit Balance
△ OPN/CLS without frame transmission		[0001548912_579_463]	[0440x FL]	4.5	FC2	112	3	Warning	0	Credit Balance
△ OPN/CLS without frame transmission		[0001548912_684_338]	[0440x FL]	4.5	FC2	112	3	Warning	0	Credit Balance
△ OPN Ended by Destination		[0440x FL]	[0440x FL]	4.5	FC2	33	2	Credit Balance	0	
△ Out of Credits during Terency		[0001548912_798_137]	[0440x FL]	4.5	FC2	32	1	Warning	1	Times Out of Credit
△ OPN Ended by Destination		[0001548912_787_200]	[0440x FL]	4.5	FC2	33	2	Credit Balance	0	
△ Out of Credits during Terency		[0001548912_593_468]	[0440x FL]	4.5	FC2	32	1	Warning	1	Times Out of Credit
△ OPN/CLS without frame transmission		[0001548912_622_625]	[0440x FL]	4.5	FC2	112	3	Credit Balance	0	

Date: 00154891_201705

For Help Press F1



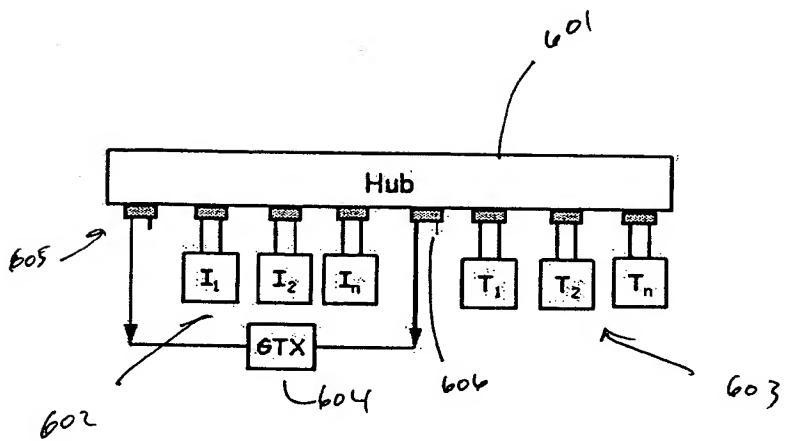


FIGURE 6

ATTY DKT. No.: FNSR/1001.06
U.S. SERIAL No.: UNKNOWN C
FILED: HEREWITH
APPLICANT: FINISAR CORPORATION
TITLE: NETWORK EXPERT ANALYSIS PROCESS
INVENTOR: KLOTZ, ET AL.
EXPRESS MAIL NO.: EV335470590US P

CONF. NO.: UNKNOWN

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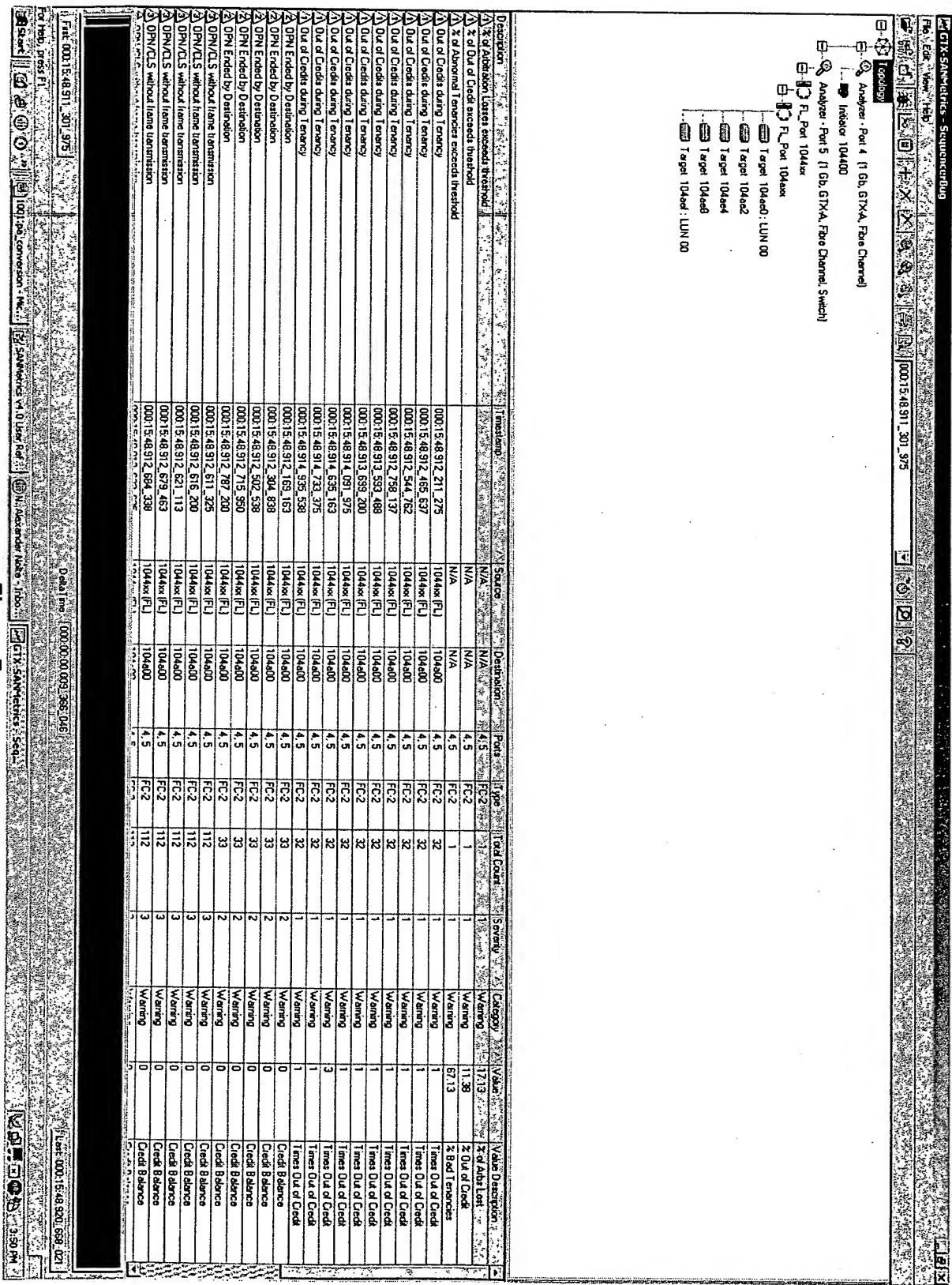


Figure 7

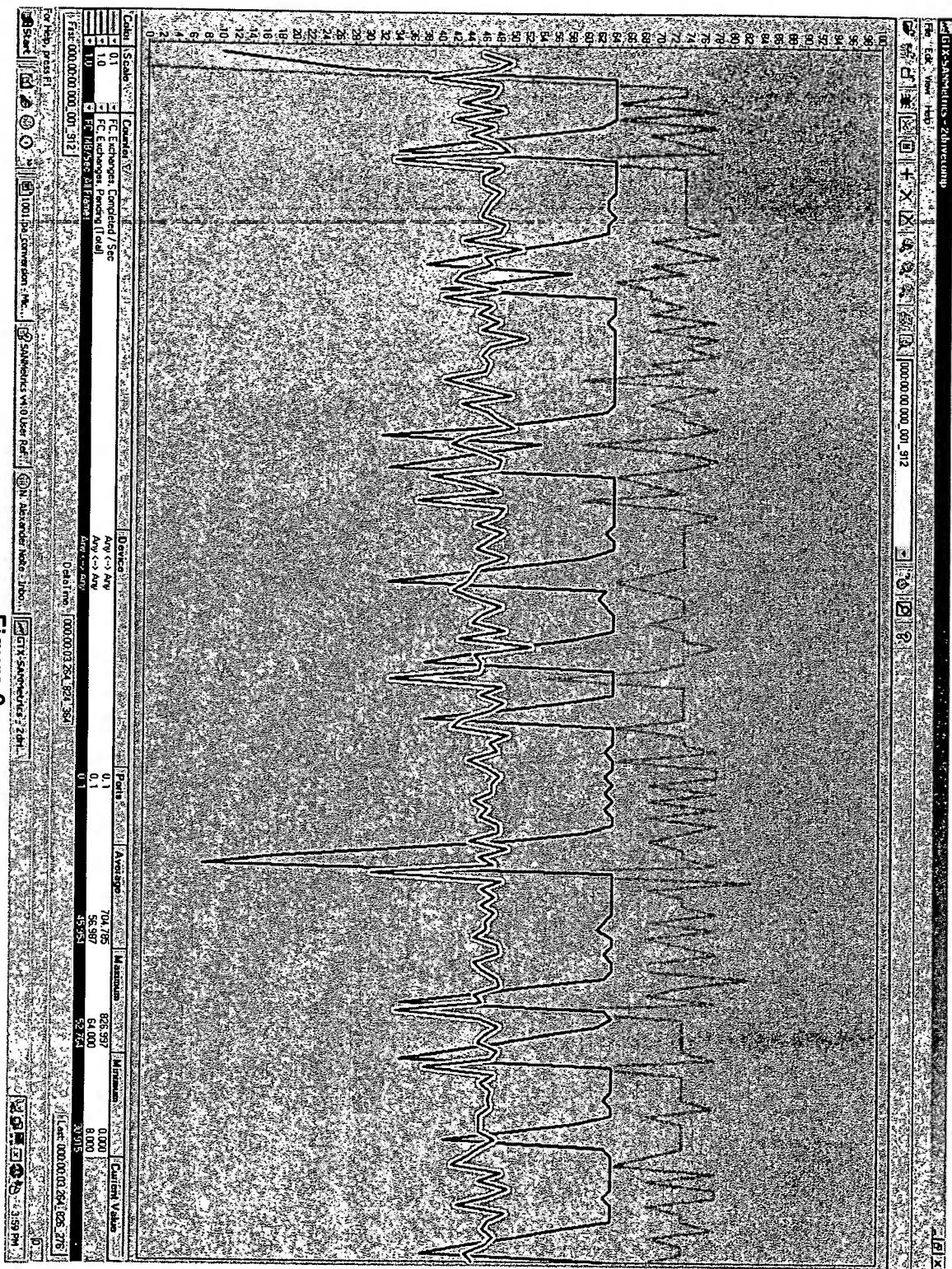
ATTY DKT. NO.: FNSR/1001.06
U.S. SERIAL NO.: UNKNOWN Co
FILED: HEREWITH
APPLICANT: FINISAR CORPORATION
TITLE: NETWORK EXPERT ANALYSIS PROCESS
INVENTOR: KLOTZ, ET AL.
EXPRESS MAIL No.: EV335470590US Pa

CONF. NO.: UNKNOWN

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Detailed Log of Credit Limit Exceeded Events										
Description	Time	Source	Destination	Port	Type	Total Credit	Severity	Category	Value	Description
Out of Credits during contract in-lease	2023-01-01T08:00:00Z	N/A	N/A	0.1	FC-2	1	Warning	515	% of Alloc. Lst	
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 00 00 282 950	01	bc	0.1	FC-2	10	1	Warning	5
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 00 00 366 163	01	bc	0.1	FC-2	10	1	Warning	5
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 00 00 502 320	01	bc	0.1	FC-2	10	1	Warning	2
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 00 134 042 563	01	bc	0.1	FC-2	10	1	Warning	4
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 00 134 123 963	01	bc	0.1	FC-2	10	1	Warning	1
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 00 571 187 088	01	bc	0.1	FC-2	10	1	Warning	6
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 00 571 350 700	01	bc	0.1	FC-2	10	1	Warning	1
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 02 283 651 298	01	bc	0.1	FC-2	10	1	Warning	5
Out of Credits during Tenancy	2023-01-01T08:00:00Z	000 00 00 02 283 654 925	01	bc	0.1	FC-2	10	1	Warning	1
Faked Open - Open selected while loop in Open Sale	2023-01-01T08:00:00Z	000 00 00 03 257 920 838	01	bc	0.1	FC-2	10	1	Warning	4
ARB FD while loop in closed state	2023-01-01T08:00:00Z	000 00 00 03 257 921 250	N/A	N/A	0.1	FC-2	15	2	Warning	
ARB FD while loop in closed state	2023-01-01T08:00:00Z	000 00 00 03 257 921 250	N/A	N/A	0.1	FC-2	15	4	Warning	
ARB FD while loop in closed state	2023-01-01T08:00:00Z	000 00 00 246 988 053	N/A	N/A	0.1	FC-2	15	4	Warning	
ARB FD while loop in closed state	2023-01-01T08:00:00Z	000 00 00 246 988 053	N/A	N/A	0.1	FC-2	15	4	Warning	
ARB FD while loop in closed state	2023-01-01T08:00:00Z	000 00 00 351 597 675	N/A	N/A	0.1	FC-2	15	4	Warning	
Arbitration Loss by device	2023-01-01T08:00:00Z	000 00 00 00 00 798 513	bc	ad	0.1	FC-2	377	5	Warning	
Arbitration Loss by device	2023-01-01T08:00:00Z	000 00 00 00 022 098 425	bc	ad	0.1	FC-2	377	5	Warning	
Arbitration Loss by device	2023-01-01T08:00:00Z	000 00 00 023 098 558	bc	ad	0.1	FC-2	377	5	Warning	
Arbitration Loss by device	2023-01-01T08:00:00Z	000 00 00 027 098 138	bc	ad	0.1	FC-2	377	5	Warning	
Arbitration Loss by device	2023-01-01T08:00:00Z	000 00 00 032 108 550	bc	ad	0.1	FC-2	377	5	Warning	

Figure 8



ATTY DKT. NO.: FNSR/1001.06
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CONF. NO.: UNKNOWN

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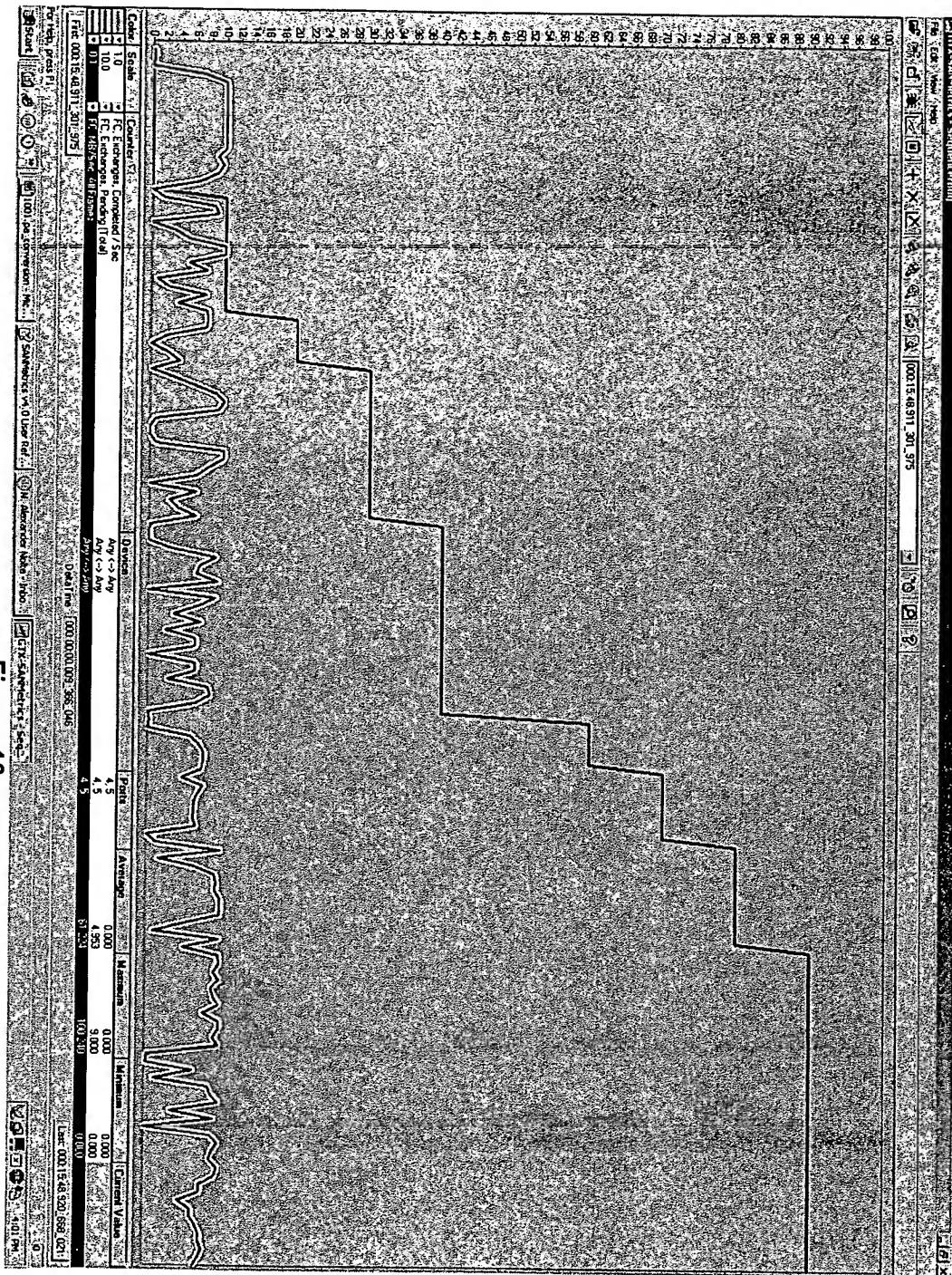


Figure 10

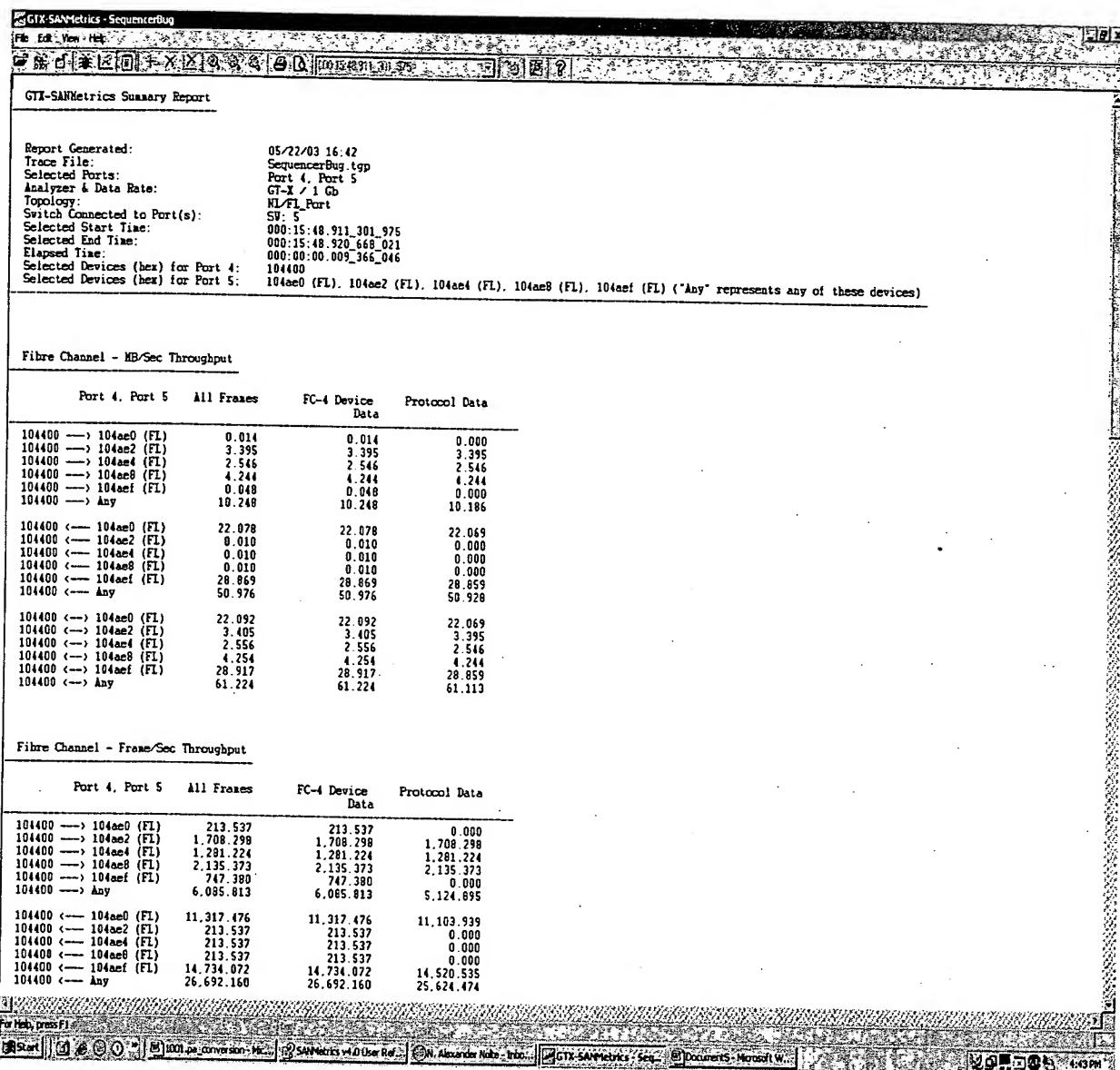


Figure 11

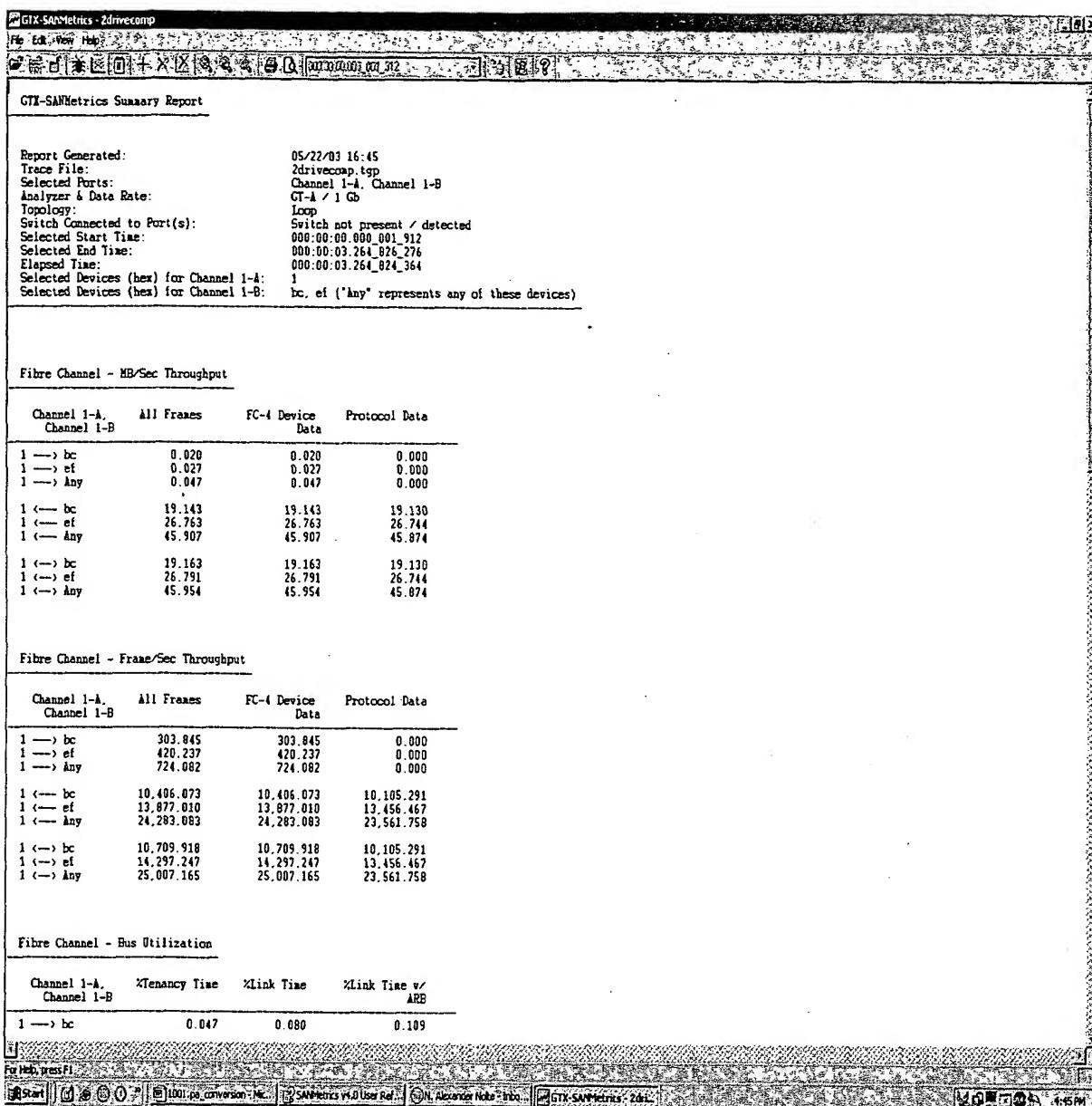


FIGURE 12